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OM protein - protein search, using sw model

Run on: March 1, 2001, 16:19:17 ; Search time 46.88 seconds
(without alignments)
8.044 Million cell updates/sec

Title: US-09-331-631A-38

Perfect score: 53
Sequence: 1 CXXXXXXXXXXXXXXXXCXXC 21

Scoring table: BLOSUM62DX
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/prodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/prodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/prodata/2/1aa/6.COMB.pep:*
4: /cgn2_6/prodata/2/1aa/PCTUS.COMB.pep:*
5: /cgn2_6/prodata/2/1aa/backfillsl.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	53	100.0	24	1	US-08-036-555B-41
2	53	100.0	24	1	US-08-469-569-41
3	53	100.0	24	1	US-08-249-322A-41
4	53	100.0	24	1	US-08-469-526A-41
5	53	100.0	24	2	US-08-734-591A-41
6	53	100.0	24	2	US-08-469-660-41
7	53	100.0	24	4	PCT-US94-05083C-41
8	53	100.0	24	4	PCT-US95-06846A-41
9	53	100.0	38	2	US-08-902-516-47
10	53	100.0	45	1	US-08-451-947-97
11	53	100.0	45	2	US-08-424-826A-97
12	53	100.0	45	4	US-08-928-694-97
13	53	100.0	45	4	PCT-US91-06950-97
14	53	100.0	47	1	US-08-451-947-93
15	53	100.0	47	1	US-08-451-947-94
16	53	100.0	47	1	US-08-451-947-95
17	53	100.0	47	1	US-08-451-947-96
18	53	100.0	47	1	US-08-424-826A-93
19	53	100.0	47	2	US-08-424-826A-94
20	53	100.0	47	2	US-08-424-826A-95
21	53	100.0	47	2	US-08-424-826A-96
22	53	100.0	47	3	US-08-482-085B-91
23	53	100.0	47	3	US-08-928-694-93
24	53	100.0	47	3	US-08-928-694-94
25	53	100.0	47	3	US-08-928-694-95
26	53	100.0	47	3	US-08-928-694-96
27	53	100.0	47	4	PCT-US91-06950-93
28	53	100.0	47	4	PCT-US91-06950-94

ALIGNMENTS

```
RESULT 1
US-08-036-555B-41
; Sequence 41, Application US/08036555B
; Patent No.: 5530109
; GENERAL INFORMATION:
; APPLICANT: Goodheart, Andrew; Stroobant, Paul;
; APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionni, Mark;
; APPLICANT: Chen, Mao Su; Hiles, Ian
; TITLE OF INVENTION: Gliat Mitogenic Factors, Their
; NUMBER OF SEQUENCES: 184
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Felte & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
; COMPUTER: IBM
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/036,555B
; FILING DATE: 24-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/965,173
; FILING DATE: 23-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/940,389
; FILING DATE: 03-SEP-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/907,138
; FILING DATE: 30-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/863,703
; FILING DATE: 03-APRIL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U K 91 07566.3
; FILING DATE: 10-APRIL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Tsai, Christine H.
; REGISTRATION NUMBER: 34,266
; REFERENCE/DOCKET NUMBER: LUD 5250.4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 688-9200
; TELEFAX: (212) 838-3864
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
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29	53	100.0	47	4	PCT-US91-06950-95	Sequence 95, Appl
30	53	100.0	47	4	PCT-US91-06950-96	Sequence 96, Appl
31	53	100.0	58	2	US-08-465-380-60	Sequence 60, Appl
32	53	100.0	58	2	US-08-486-397-60	Sequence 60, Appl
33	53	100.0	58	2	US-08-486-399-60	Sequence 60, Appl
34	53	100.0	58	2	US-08-461-965-60	Sequence 60, Appl
35	53	100.0	58	2	US-08-634-641-60	Sequence 60, Appl
36	53	100.0	58	3	US-09-249-471-60	Sequence 60, Appl
37	53	100.0	58	3	US-09-249-472-60	Sequence 60, Appl
38	53	100.0	58	3	US-09-249-471-60	Sequence 60, Appl
39	53	100.0	58	3	US-08-809-455-60	Sequence 60, Appl
40	53	100.0	58	3	US-09-249-461-60	Sequence 60, Appl
41	53	100.0	58	3	US-09-249-448-60	Sequence 60, Appl
42	53	100.0	61	2	US-08-465-380-61	Sequence 61, Appl
43	53	100.0	61	2	US-08-486-397-61	Sequence 61, Appl
44	53	100.0	61	2	US-08-486-399-61	Sequence 61, Appl
45	53	100.0	61	3	US-09-249-448-61	Sequence 61, Appl

LENGTH: 24
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-036-555B-41

Query Match 100.0%; Score 53; DB 1; Length 24;
Best Local Similarity 19.0%; Pred. No. 41;
Matches 4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXCXXXXXXXXXXCXXC 21
|::|::|::|::|::|::|::|::|
DB 4 CGCTCCTCTCTGTGCCCTTC 24

RESULT 2

US-08-469-569-41
Sequence 41, Application US/08469569
Patent No. 5606032
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionl, Mark;
APPLICANT: Chen, Maio Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felte & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,569
FILING DATE: 06-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Tsai, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 5250.4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 688-3884
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 24
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear

US-08-469-569-41

Query Match 100.0%; Score 53; DB 1; Length 24;
Best Local Similarity 19.0%; Pred. No. 41;
Matches 4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXCXXXXXXXXXXCXXC 21
|::|::|::|::|::|::|::|::|
DB 4 CGCTCCTCTCTGTGCCCTTC 24

RESULT 3

US-08-249-322A-41
Sequence 41, Application US/08249322A
Patent No. 5716930
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionl, Mark;
APPLICANT: Chen, Maio Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felte & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/249,322A
FILING DATE: 26-MAY-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Tsai, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 250.4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 688-3884
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 24
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-249-322A-41

GENERAL INFORMATION:
APPLICANT: GENENTECH, INC.
APPLICANT: ROSENTHAL, ARNON
TITLE OF INVENTION: NOVEL NEUTROPHIC FACTOR
NUMBER OF SEQUENCES: 100
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
City: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/06950
CLASSIFICATION: 436
FILING DATE: 19910924
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/648482
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/587707
ATTORNEY/AGENT INFORMATION:
NAME: Hensley, Max D.
REGISTRATION NUMBER: 27,043
REFERENCE/DOCKET NUMBER: 666P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/266-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ. ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
PCT-US91-06950-97

Query Match 100.0%; Score 53; DB 4; Length 45;
Best Local Similarity 19.0%; Pred. No. 72;
Matches 4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXXXXXXXC 21
DB 20 CACACGAGAGATCTATC 40

RESULT 14
US-08-451-947-93
Sequence 93, Application US/08451947
Patent No. 5702906
GENERAL INFORMATION:
APPLICANT: GENENTECH, INC.
APPLICANT: ROSENTHAL, ARNON
TITLE OF INVENTION: NOVEL NEUTROPHIC FACTOR
NUMBER OF SEQUENCES: 100
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
City: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/451,947

FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/426419
FILING DATE: 19-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/030013
FILING DATE: 22-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/648482
FILING DATE: 31-JAN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/587707
FILING DATE: 1991
ATTORNEY/AGENT INFORMATION:
NAME: Torchia, Timothy E.
REGISTRATION NUMBER: 36,700
REFERENCE/DOCKET NUMBER: 666P2C1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-8674
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ. ID NO: 93:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-451-947-93

Query Match 100.0%; Score 53; DB 1; Length 47;
Best Local Similarity 19.0%; Pred. No. 75;
Matches 4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXXXXXXXC 21
DB 4 CGGCTCTAGAGTCACACG 24

RESULT 15
US-08-451-947-94
Sequence 94, Application US/08451947
Patent No. 5702906
GENERAL INFORMATION:
APPLICANT: GENENTECH, INC.
APPLICANT: ROSENTHAL, ARNON
TITLE OF INVENTION: NOVEL NEUTROPHIC FACTOR
NUMBER OF SEQUENCES: 100
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
City: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/451,947
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/426419
FILING DATE: 19-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/030013
FILING DATE: 22-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/648482
FILING DATE: 31-JAN

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/587707
FILING DATE: 1991
ATTORNEY/AGENT INFORMATION:
NAME: Torchia, Timothy E.
REGISTRATION NUMBER: 36,700
REFERENCE/DOCKET NUMBER: 666P2C1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-8674
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 94:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-451-947-94

Query Match 100.0%; Score 53; DB 1; Length 47;
Best Local Similarity 19.0%; Pred. No. 75;
Matches 4; Conservative 17; Mismatches 0; Indels 0; Gaps 0;

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DB 4 CGCGCTGTAGAGTCGACAAAC 24

Search completed: March 1, 2001, 16:19:17
Job time: 310 sec